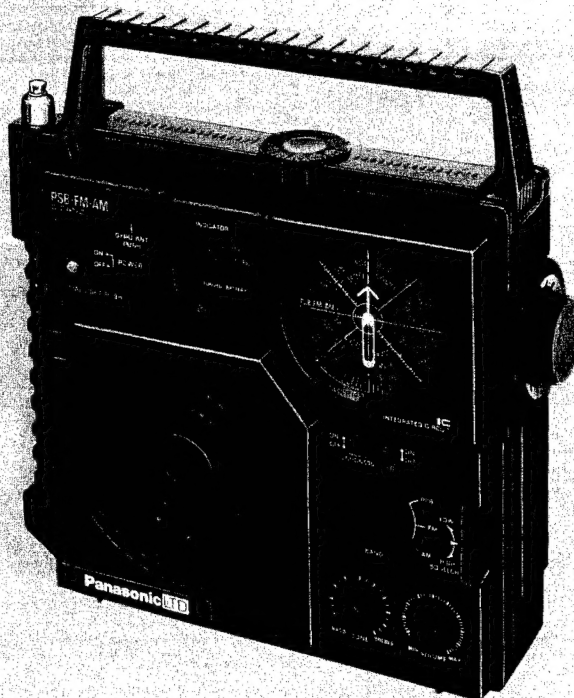


Service Manual

Panasonic

RADIO

Panasonic



AC ADAPTOR.....RD-9488

FM/AM/PSB 3-BAND PORTABLE RADIO

MODEL **RF-877**[©]

■ SPECIFICATIONS

Frequency Range: FM 88~108 MHz
AM 525~1605 kHz
PSB 148~174 MHz

Intermediate Frequency: FM & PSB 10.7 MHz
AM 455 kHz

Sensitivity: FM 1 μ V for 50mW Output
AM 30 μ V/m for 50mW Output
PSB 3 μ V for 50mW Output

Batteries: 6V(Four "C" Size Flashlight Batteries)
(Panasonic UM-2 or equivalent)

Power Consumption: 2W at 120V (AC Only)

Speaker: 4" PM Dynamic Speaker

Dimensions: 8 $\frac{11}{16}$ "(Wide) x 7 $\frac{7}{8}$ "(High) x 3 $\frac{1}{16}$ "(Deep)

Weight: 3 lb. 12 oz. with batteries

Impedance: Speaker8 Ω
Earphone Jack8 Ω

Specifications are subject to change without notice for further improvement.

Matsushita Electric Corp. of America
Matsushita Electric of Hawaii, Inc.
Matsushita Electric of Canada Ltd.

Pan Am Bldg., 200 Park Ave., New York, N.Y. 10017
320 Waiakamilo Road, Honolulu, Hawaii 96817
40 Ronson Drive, Rexdale, Ont, M9W 1B5

■ TO REMOVE CABINET COVER

1. Remove volume, tone and band selector knobs from cabinet.
(Attach cord to the knob and pull it out forward.)
2. Remove battery cover.
3. Remove four (4) cabinet cover screws, nos. 1~4, as illustrated in fig. 1.
4. Remove cabinet back cover.
5. Set power switch to ON position.
6. Remove cabinet front cover.
7. Pull out socket from speaker terminals.
8. To reassemble, reverse the above procedure.

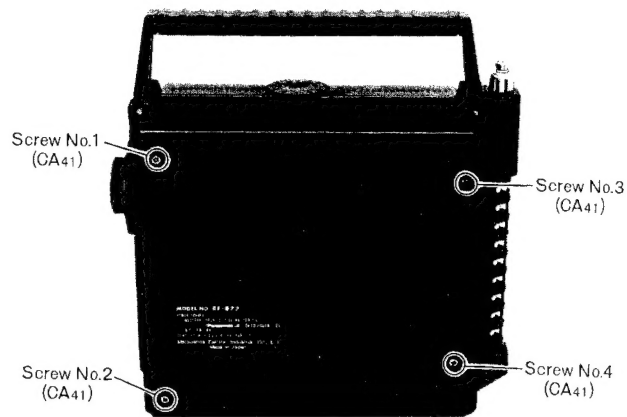


Fig. 1

■ TO REMOVE DIAL DRIVE ASSEMBLY

1. Remove cabinet covers. (Refer to cabinet covers removal instructions.)
2. Remove tuning knob.
3. Remove dial drive assembly screw, no. 2 as illustrated in fig. 2.
4. Remove three (3) dial drive assembly screws, nos. 1~3, as illustrated in fig. 4.
5. Remove dial drive assembly.
6. Remove dial scale and back plate screw, no. 1, as illustrated in fig. 2.
7. To reassemble, reverse the above procedure and read the following notes.

Notes:

1. When mounting dial drive assembly, turn dial gear to fully counter-clockwise and tuning shaft to fully clockwise.
2. When mounting dial scale, turn tuning shaft to fully clockwise, then set start points as illustrated in fig.7.

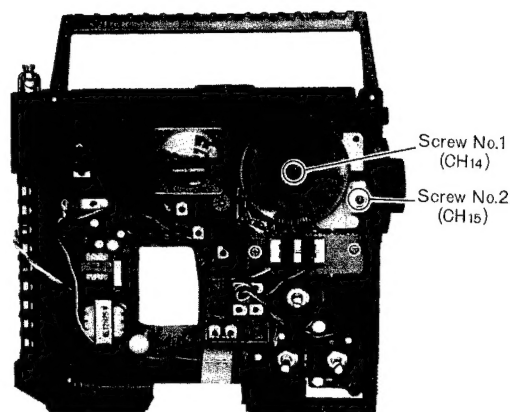


Fig. 2

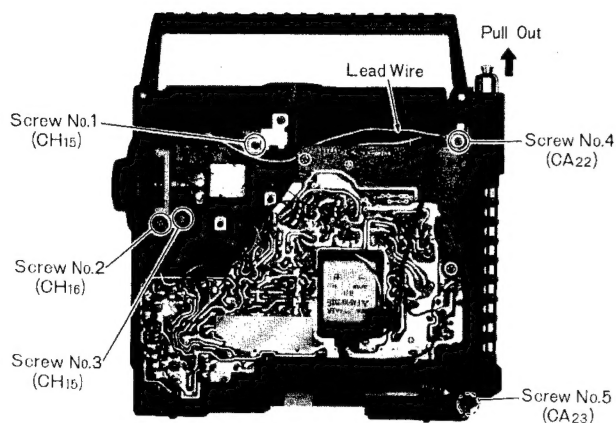


Fig. 4

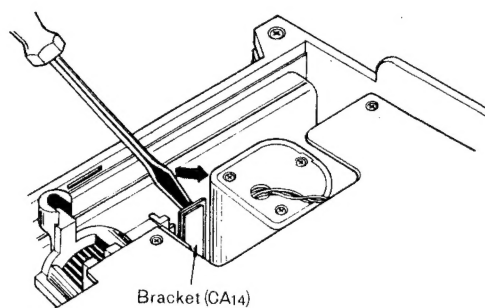


Fig. 3

■ TO REMOVE GYRO ANTENNA CASE

1. Remove cabinet cover. (Refer to cabinet cover removal instructions.)
2. Unsolder three (3) lead wires between core antenna and PC board at PC board side.
3. Remove dial scale and back plate.
4. Remove meter.
5. Remove bracket (CA 14) by driver as illustrated in fig. 3.
6. Remove E ring (CA 13) by driver as illustrated in fig. 5.
7. Remove gyro antenna case.
8. To reassemble, reverse the above procedure.

■ TO REMOVE CORE ANTENNA

1. Push the antenna pop-up button.
 2. Remove gyro antenna case cover by driver as illustrated in fig. 6.
 3. Unsolder three (3) lead wires from PC board.
 4. To reassemble, reverse the above procedure and read the following note.
- Note: When mounting core antenna to antenna case, wiring three (3) lead wires as illustrated in fig. 5.

■ TO REMOVE WHIP ANTENNA

1. Remove cabinet back cover. (Refer to cabinet cover removal instructions)
2. Unsolder lead wire to whip antenna terminal, as illustrated in fig. 4.
3. Remove two (2) whip antenna cover screws, nos. 4 & 5, as illustrated in fig.4.
4. Pull out whip antenna in the direction of arrow, as illustrated in fig. 4.
5. Remove whip antenna from whip antenna cover.
6. To reassemble, reverse the above procedure.

■ DIAL CORD INSTALLATION GUIDE

1. Remove dial drive assembly from chassis. (Refer to dial drive assembly removal instructions.)
2. Dial cord length is 31½".
3. Turn dial drum to fully clockwise.
4. Arrows (1~10) indicate correct order and direction of dial cord installation, as illustrated in fig. 8.
5. Cement dial cord ends.

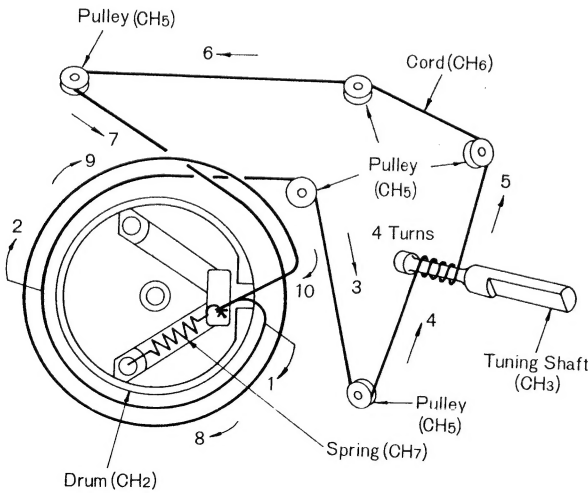


Fig. 8

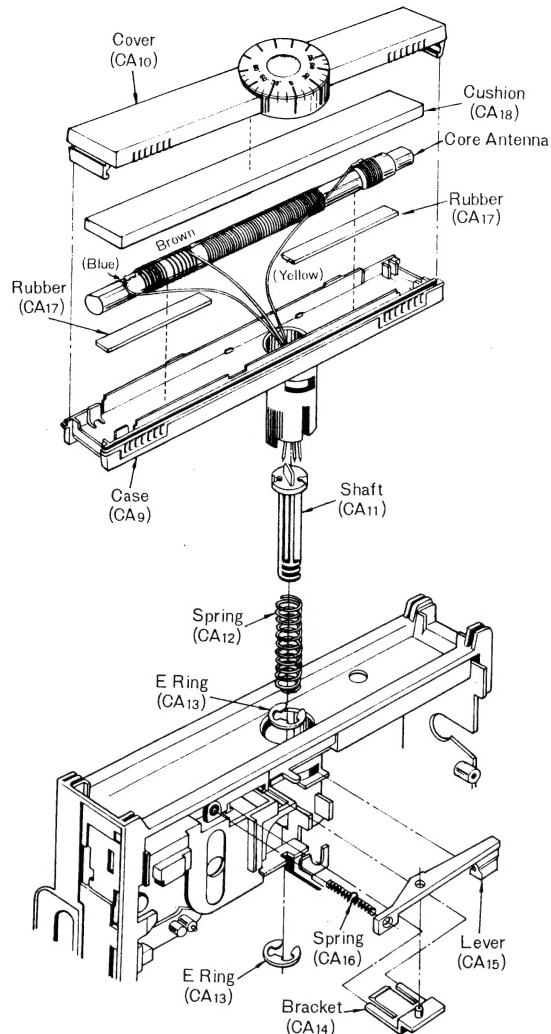


Fig. 5

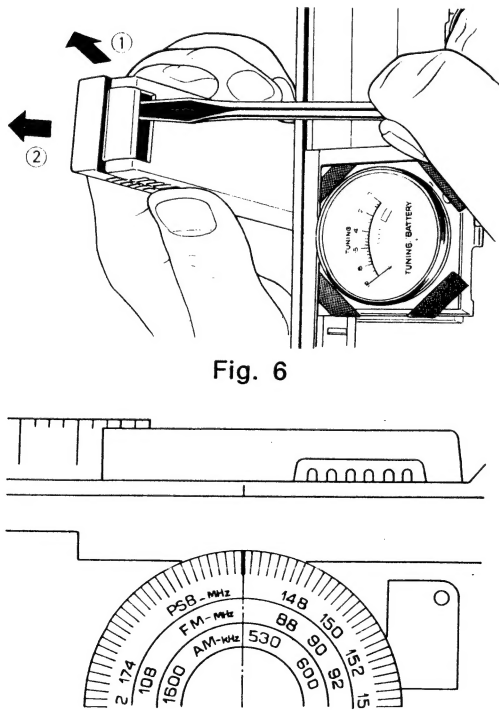


Fig. 6

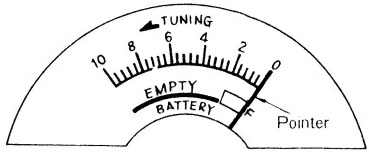
■ TUNING/BATTERY METER ADJUSTMENT

1. RADIO RECEIVER SETTING

- Set band selector switch to FM.
- Set volume control to minimum.
- Set power source voltage to 6 volts DC.
- Set power switch to ON.

2. REMARKS

Adjust R₄₆ so that the pointer of level meter stays as shown in figure right.



■ ALIGNMENT INSTRUCTIONS

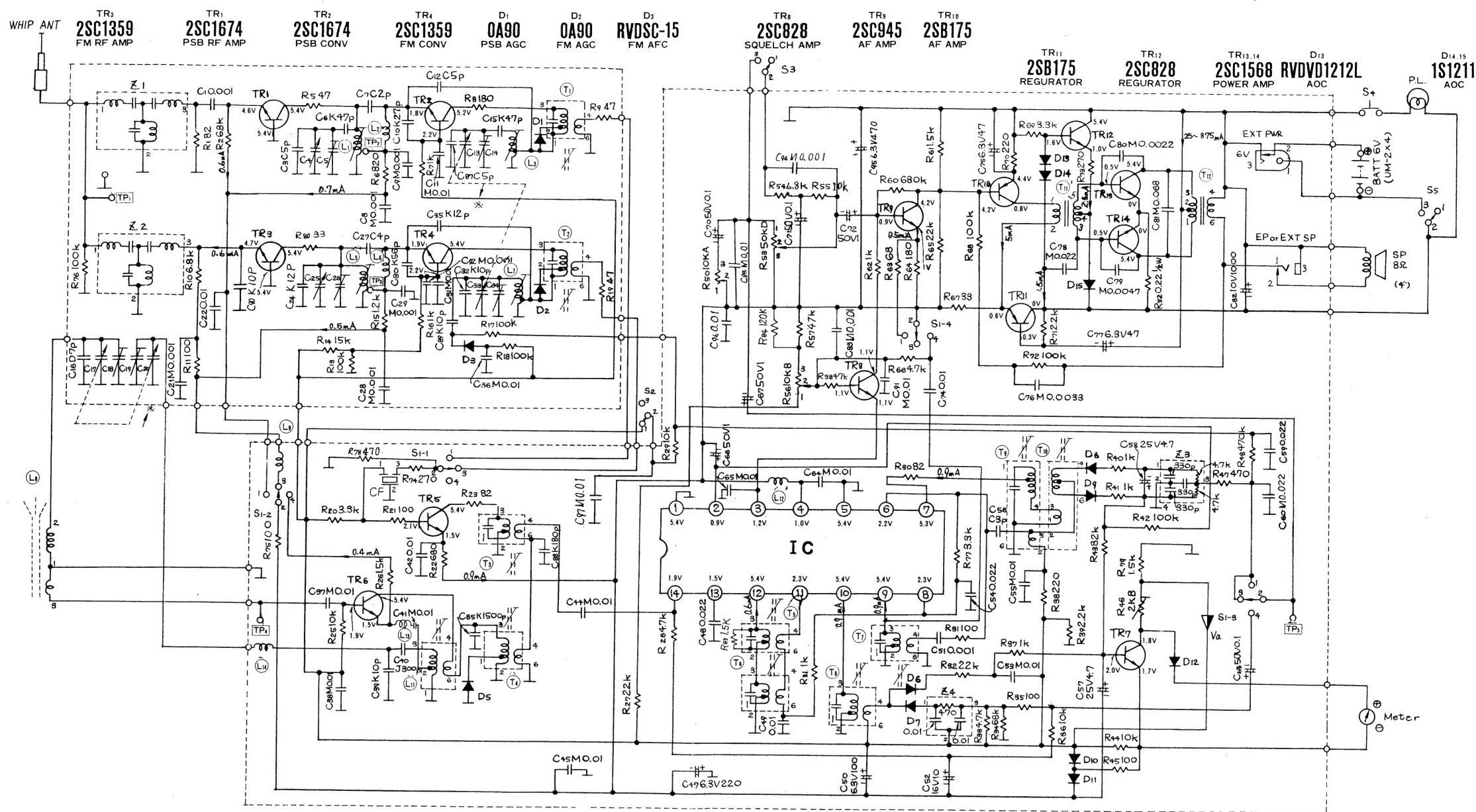
READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

Notes:

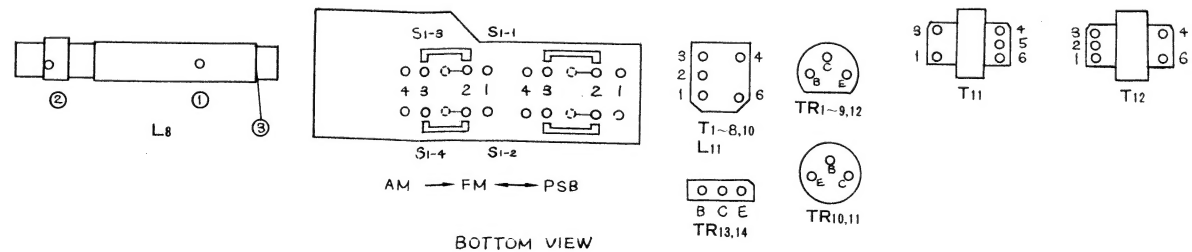
1. Set volume control to maximum.
2. Set tone control to treble.
3. Set band selector switch to AM, FM or PSB.
4. Set squelch control to low.
5. Set loudness switch to OFF.
6. Set power switch to ON.
7. Set power source voltage to 6 volts DC.
8. Set AFC switch to OFF.

SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (VTVM or SCOPE)	ADJUSTMENT	REMARKS
CONNECTIONS	FREQUENCY				
AM ALIGNMENT					
(1) Fashion loop of several turns of wire and radiate signal into loop of receiver.	455 kHz 30% Mod. with 400 Hz.	Point of non-interference. (on/about 600 kHz)	Output meter across earphone jack.	T ₄ (1st IFT) T ₆ (2nd IFT) T ₈ (3rd IFT)	Adjust for maximum output.
(2) "	550 kHz	550 kHz [Fig. 10]	"	L ₁₁ (OSC Coil) (* 1) L ₈ (ANT Coil)	Adjust for maximum output. Adjust L ₈ by moving coil bobbin along ferrite core.
(3) "	1500 kHz	1500 kHz [Fig. 11]	"	C ₁₉ (OSC Trimmer) C ₁₈ (ANT Trimmer)	Adjust for maximum output. Repeat steps (2) and (3).
(* 1) Cement antenna bobbin with wax after completing alignment.					
FM-IF ALIGNMENT					
(4) High side thru. 0.001μF to point TP ₃ , Common to point E.	10.7 MHz (400 kHz SWP.)	Point of non-interference. (on/about 90 MHz).	Connect vert. amp. of scope to point TP ₅ , Common to chassis.	T ₂ (FM 1st IFT) T ₃ (FM 2nd IFT) T ₅ (FM 3rd IFT) T ₇ (FM 4th IFT) T ₉ (FM 5th IFT) (Primary)	Adjust for maximum amplitude and proper linearity between ± 100 kHz markers. (Refer to fig. 16)
(5) "	"	"	"	T ₁₀ (FM 5th IFT) (Secondary)	Adjust T ₁₀ so that 10.7 MHz marker appears at the center. (Refer to fig. 17)
PSB-IF ALIGNMENT					
(6) High side thru. 0.001μF to point TP ₂ , Common to point E.	"	Point of non-interference.	"	T ₁ (PSB 1st IFT)	Adjust for maximum amplitude.
FM-RF ALIGNMENT					
(7) Connect to point TP ₁ through FM Dummy antenna. Common to point E. (Refer to fig. 18).	90 MHz	90 MHz [Fig. 12]	Output meter across voice coil.	L ₇ (FM OSC Coil) L ₅ (FM DET Coil)	(* 2) Adjust for maximum output.
(8) "	106 MHz	106 MHz [Fig. 13]	"	C ₃₄ (FM OSC Trimmer) C ₂₆ (FM DET Trimmer)	(* 2) Adjust for maximum output. Repeat steps (7) and (8).
PSB-RF ALIGNMENT					
(9) Connect to point TP ₁ through FM Dummy antenna. Common to chassis. (Refer to fig. 18)	150 MHz	150 MHz [Fig. 14]	Output meter across voice coil.	L ₃ (PSB OSC Coil) L ₁ (PSB DET Coil)	(* 2) Adjust for maximum output.
(10) "	170 MHz	170 MHz [Fig. 15]	"	C ₁₄ (PSB OSC Trimmer) C ₅ (PSB DET Trimmer)	(* 2) Adjust for maximum output. Repeat steps (9) and (10).
(* 2) Three output responses will be present; proper tuning is the center frequency.					

Schematic Diagram - Model RF-877



	TR ₆ 2SC1675 AM CONV	TR ₃ 2SC1675 FM IF AMP	D ₃ 0A90 AM AGC	IC AN210 AM/FM IF AMP	D ₅ 0A90 AM RECT	D ₇ 0A90 AM DET & AGC	D _{8,9} 2-0A90 FM DET	D _{10,11} 1S1211 AOC	TR ₇ 2SC828 METER AMP	D ₁₂ 1S1211 METER AOC
C	16 17 18 19 20	90 21 1 22	3 4 5 24 25 26	7 27 8 9 10 28 29 30 12 11 87 31 92 13 14 15 82 33 34 36	76 70 66 67	98 94 71 95 83	72 91	74	75 76	77 78 79 80 81 82
R	76	1 10 11 2	5 13 10 14 15 78 6	7 16 8 17 18	9 19	50 83 53 84	54 55 57	58 56 66 60 62 63 64 65 61 67 68	70 69 71 72 73 74 82	60 59 63
		75 20 25 21	26 22 74 23	27 28 29	81	30 77 31 32 33 34 35 37	36 38 39 40 41 42 43	44 45 46 47 48		

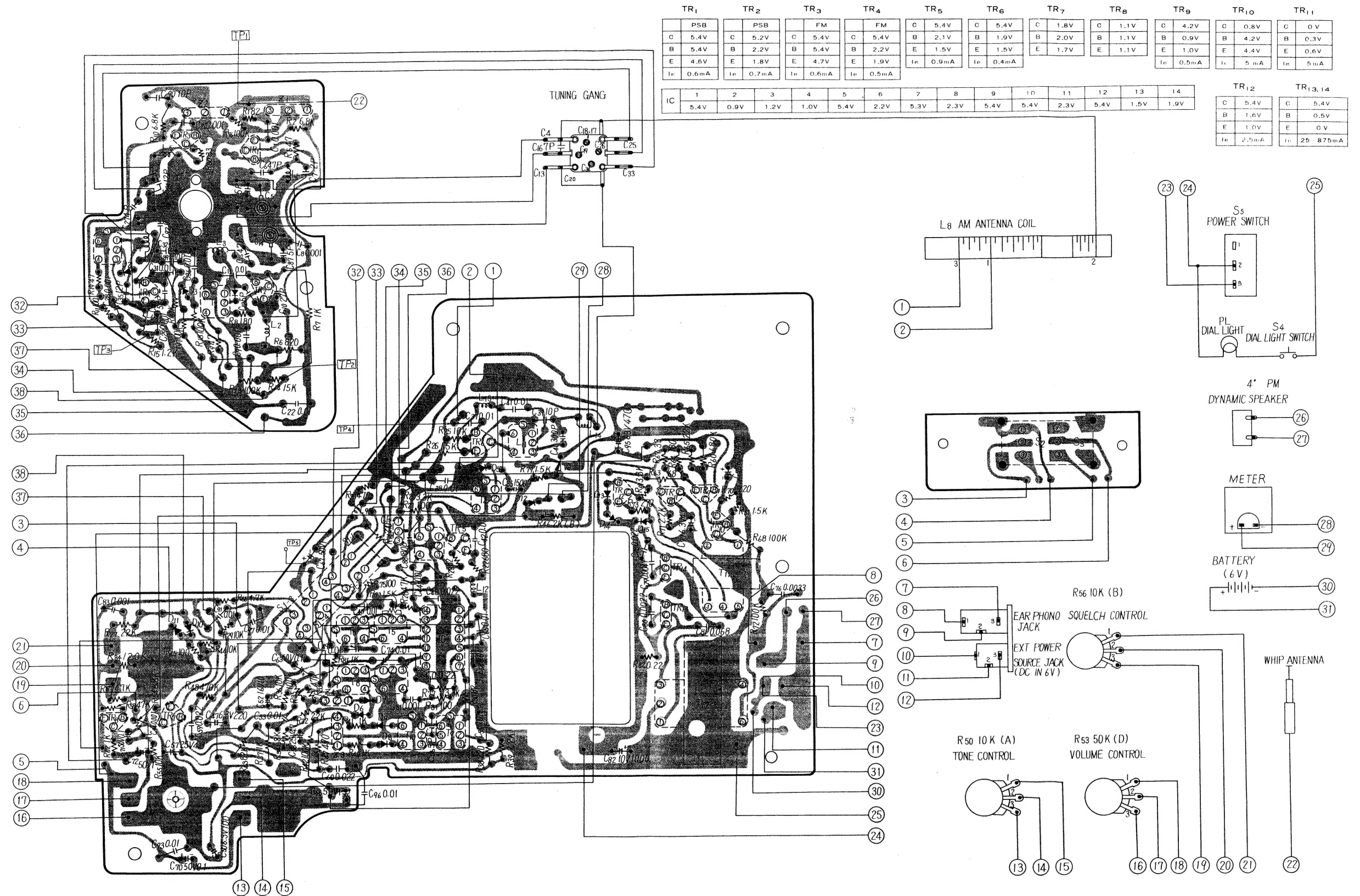


Notes:

1. S₁₋₁~S₁₋₄: Band selector switch in "FM" position.
2. S₂: FM AFC switch in "OFF" position.
3. S₃: Loudness switch in "OFF" position.
4. S₄: Dial light switch in "OFF" position.
5. S₅: Power source switch in "OFF" position.

6. DC voltage measurements are taken with circuit tester 10KΩ/V from negative terminal of battery.
TR_{1,2} PSB position
TR_{3,4} FM position
7. Battery current: No signal 35mA
Maximum output 870mA

Circuit Board Wiring View-Model RF-877



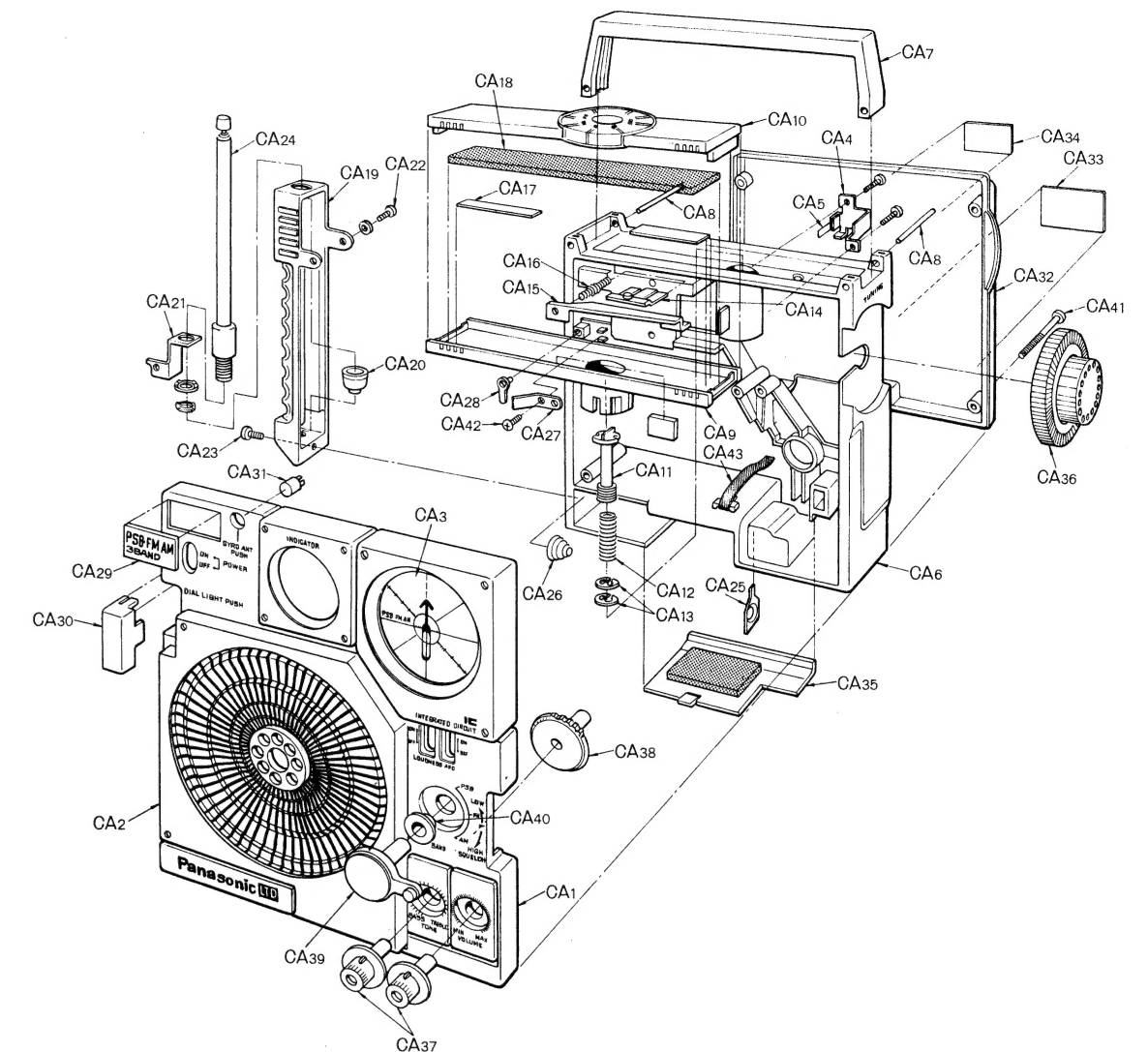
TR ₁	TR ₂	TR ₃	TR ₄	TR ₅	TR ₆	TR ₇	TR ₈	TR ₉	TR ₁₀	TR ₁₁
PSB	PSB	FM	FM	C	C	C	C	C	C	C
C 5.4V	C 5.2V	C 5.4V	C 5.4V	B 2.1V	B 1.9V	B 2.0V	B 1.1V	B 0.9V	B 4.2V	B 0.3V
B 5.4V	B 2.2V	B 5.4V	B 2.2V	E 1.5V	E 1.5V	E 1.7V	E 1.1V	E 1.0V	E 4.4V	E 0.6V
E 4.6V	E 1.8V	E 4.7V	E 1.9V	I _e 0.9mA	I _e 0.4mA			I _e 0.5mA	I _e 5 mA	I _e 5 mA
I _e 0.6mA	I _e 0.7mA	I _e 0.6mA	I _e 0.5mA							

IC	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	5.4V	0.9V	1.2V	1.0V	5.4V	2.2V	5.3V	2.3V	5.4V	5.4V	2.3V	5.4V	1.5V	1.9V

TR ₁₂	TR _{13,14}
C 5.4V	C 5.4V
B 1.6V	B 0.5V
E 1.0V	E 0 V
I _e 2.5mA	I _e 25 - 875mA

TR ₁ , D ₈ , IC	TR ₈	TR ₄	D ₂	TR ₇	TR ₃	D ₃	TR ₁	D ₁	TR ₂	D ₁₁	D ₁₀	D ₆ D ₇ D ₈ D ₉				IC	TR ₅	TR ₆	D ₅	D ₁₂ D ₁₃ D ₁₄			TR ₁₂	D ₁₅	TR ₁₁	TR ₁₄	TR ₁₃	TR ₉	TR ₁₀	
T & L	T ₂	L ₆	L ₇	L ₅	T ₁	L ₃	L ₂	L ₁	T ₆	T ₈	T ₅	L ₉	T ₇	T ₁₀	T ₃	T ₉	L ₁₃	T ₄	L ₁₂	L ₁₁	L ₁₄					T ₁₁	T ₁₂			L ₈

■ CABINET PARTS LOCATIONS



■ ACCESSORIES & PACKING PARTS LOCATIONS

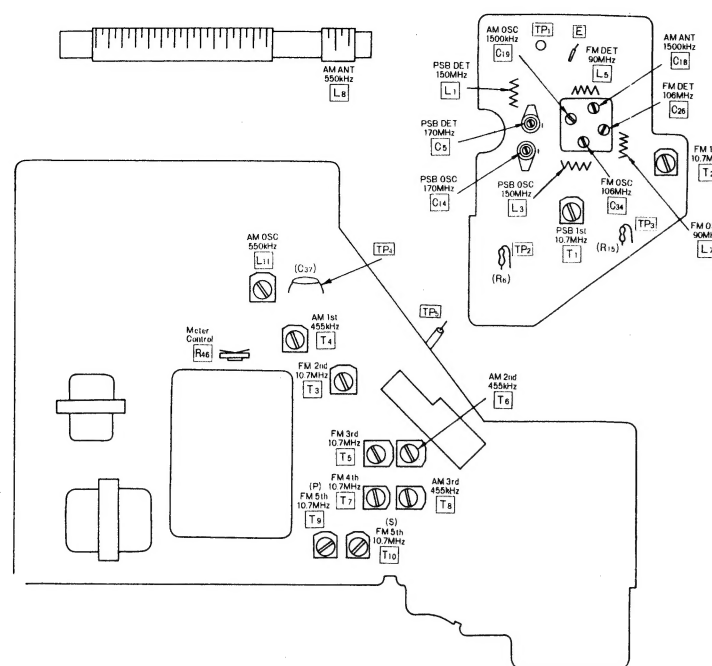
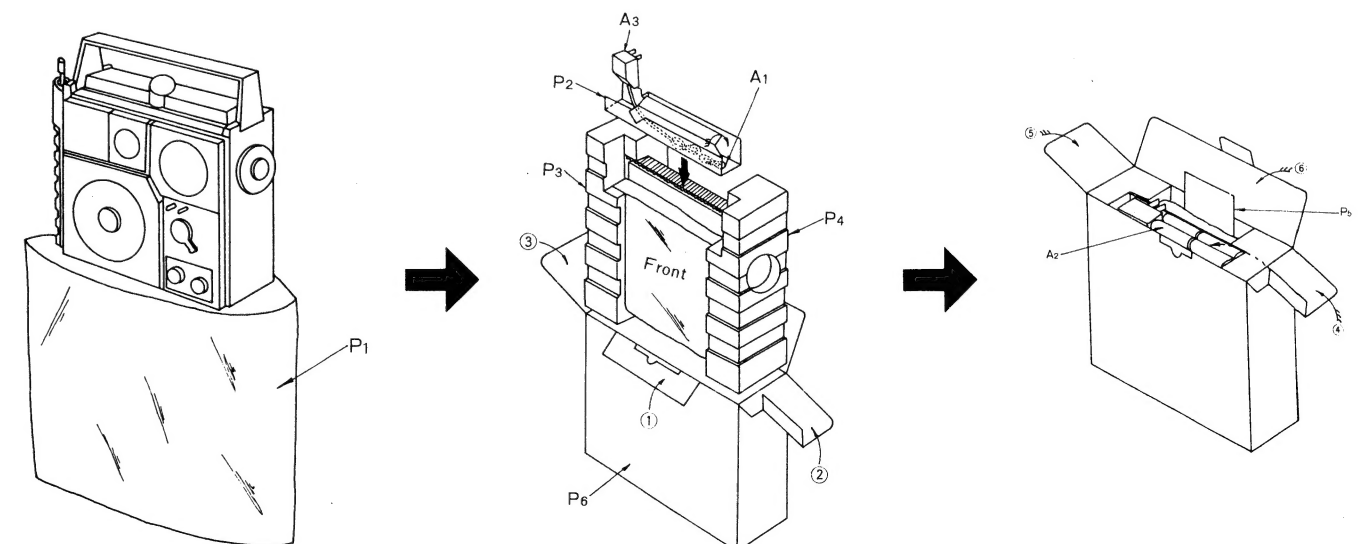


Fig. 9 Alignment Points

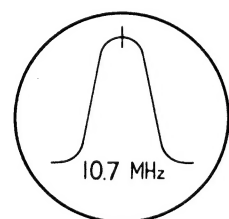


Fig. 16

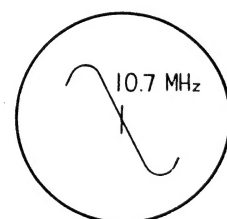


Fig. 17

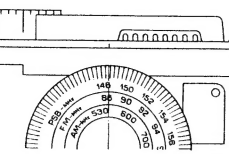


Fig. 10 550 kHz

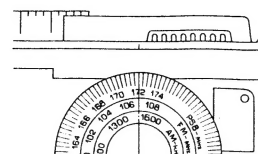


Fig. 11 1500 kHz

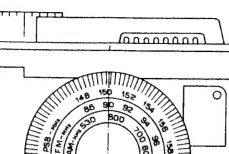


Fig. 12 90 MHz

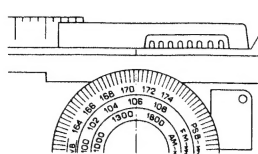


Fig. 13 106 MHz

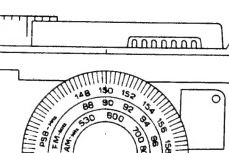


Fig. 14 150 MHz

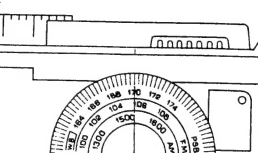


Fig. 15 170 MHz

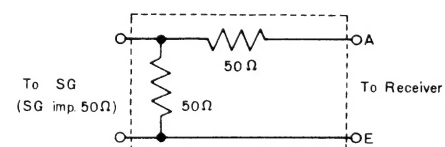
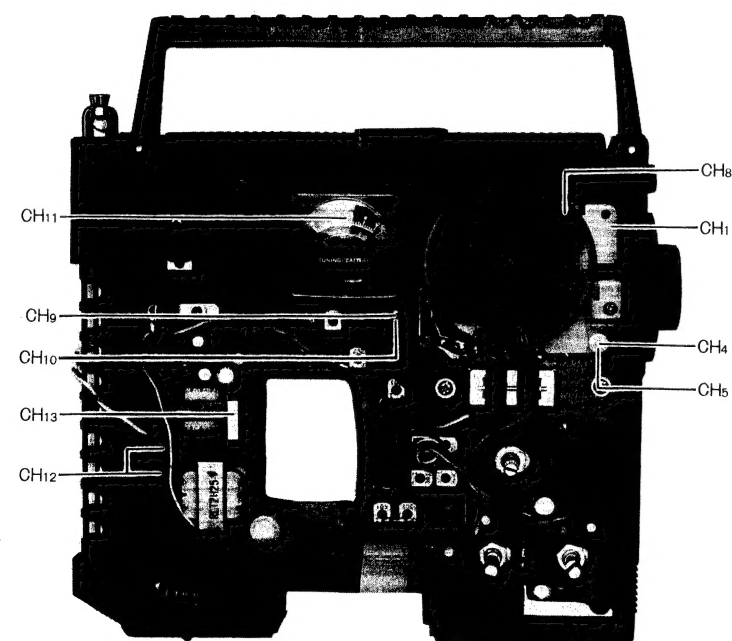


Fig. 18 FM Dummy Antenna

■ CHASSIS PARTS LOCATIONS



REPLACEMENT PARTS LIST

NOTES: 1. Part numbers are indicated on most mechanical parts. Please use this part number for parts orders. 2. SAFETY Indicates that only parts specified by the manufacturer be used for replacement in critical circuit.				
---	--	--	--	--

Ref.No.	Part No.	Description	Per Set	Remarks
INTEGRATED CIRCUIT, TRANSISTORS AND DIODES				
IC	AN210	AM/FM IF Amplifier	1	
TR1,2	2SC1674	P.S.B. RF Amplifier, P.S.B. Converter	2	○
TR3,4	2SC1359	FM RF Amplifier, FM Converter	2	
TR5,6	2SC1675	FM IF Amplifier, AM Converter	2	○
TR7,8,12	2SC828	Meter Amplifier, Squelch Amplifier, Regulator	3	
TR9	2SC945	AF Amplifier	1	
TR10,11	2SB175	AF Amplifier, Regulator	2	
TR13,14	2SC1568	Power Amplifier	2	○
D1,2,5,6,7	0A90	P.S.B. AGC, FM AGC, AM AGC, AM Rectifier, AM Detector & AGC	5	
D3	RVDSC-15	FM AFC	1	
D8,9	2-0A90	FM Detector	1 pair	
D10,11,12,14,15	1S1211	Operation Compensator, Meter Operation Compensator, Power Operation Compensator	5	
D13	RVDVD1212L	Power Operation Compensator	1	
VARIATITE				
Va	EYV320D1R2J2	Variatite	1	
CERAMIC FILTER, COILS AND TRANSFORMERS				
CF	RVF107MFB	Ceramic Filter	1	
L1	RLD4Y43	P.S.B. Detector Coil	1	
L2,6	RLQY30S1-0	Choke Coil	2	
L3	RLD4Y44	P.S.B. Oscillator Coil	1	
L5	RLD4Y44	FM Detector Coil	1	
L7	RLD4Y43	FM Oscillator Coil	1	○
L8	RLF2X5-0	AM Antenna Coil	1	
L9,12,13	RLQY75S5	Choke Coil	3	
L11	RL02M1	AM Oscillator Coil	1	
L14	RLQY25S5-0	Choke Coil	1	
T1,2	RLI4M101	P.S.B./FM 1st IF Transformer	2	
T3,5,7	RLI4M301	FM-P.S.B. 2nd,3rd,4th IF Transformer	3	
T4	RLI2M203	1st AM IF Transformer	1	○
T6	RLI2M205	2nd AM IF Transformer	1	
T8	RLI2M402	3rd AM IF Transformer	1	
T9	RLI4M501	FM-P.S.B. 5th IF Transformer, Primary	1	
T10	RLI4M502	FM-P.S.B. 5th IF Transformer, Secondary	1	
T11	RLT3F30-V	Input Transformer, P=700Ω: S=1KΩ	1	
T12	RLT2H25-V	Output Transformer, P=25Ω: S=8Ω	1	
VARIABLE RESISTORS				
R53	RVV54D38-A	50KΩ (D), Volume Control	1	○
R50	RVV14A39-A	10KΩ (A), Tone Control	1	○
R46	EVL74AA00B23	2KΩ (B), Meter Control	1	
R56	EVH89AF35B14	10KΩ (B), Squelch Control	1	○
VARIABLE CAPACITORS				
C4,13,17,20,25,33	RCV2X-4216TM	Tuning Gang, W/Tremmer (C18,19,26,34)	1	
C5,14	ECV1ZW10X32	Trimmer	2	
COMPONENT COMBINATIONS				
Z1	RXABPF17402I	Coils & Capacitors	1	
Z2	RXABPF10801H	Coils & Capacitors	1	
Z3	EXA5DL04C	330PF × 3, 4.7KΩ × 2	1	
Z4	EXAF203Z471R	0.01μF × 2, 470Ω	1	
SPEAKER				
SP	EAS10P31SG	4" PM Dynamic Speaker, Imp. 8Ω	1	○
SWITCHES				
S1-1~S1-4	RSR100ZK-A	Band Selector Switch	1	○
S2,3	RST36A-P	AFC & Loudness Switch	1	○
S5	RST33ZS-F	Power Switch	1	○

Ref.No.	Part No.	Description	Per Set	Remarks
RESISTORS				
R26	ERD18SJ152	1.5KΩ, ½Watt, ±5%, Carbon	1	
R63	ERD18SJ680	680Ω, ½Watt, ±5%, Carbon	1	
R21	ERD18SJ101	100Ω, ½Watt, ±5%, Carbon	1	
R30	ERD18SJ820	820Ω, ½Watt, ±5%, Carbon	1	
R37	ERD18SJ102	1KΩ, ½Watt, ±5%, Carbon	1	
R47	ERD18SJ471	470Ω, ½Watt, ±5%, Carbon	1	
R67,80	ERD18VJ330	33Ω, ½Watt, ±5%, Carbon	2	
R1,23	ERD18VJ820	820Ω, ½Watt, ±5%, Carbon	2	
R8,64	ERD18VJ181	180Ω, ½Watt, ±5%, Carbon	2	
R5,9,19	ERD18VJ470	47Ω, ½Watt, ±5%, Carbon	3	
R11,31,35,45	ERD18VJ101	100Ω, ½Watt, ±5%, Carbon	4	
R38,70	ERD18VJ221	220Ω, ½Watt, ±5%, Carbon	2	
R22	ERD18VJ681	680Ω, ½Watt, ±5%, Carbon	1	
R40,41,62,81	ERD18VJ102	1KΩ, ½Watt, ±5%, Carbon	4	
R61,79	ERD18VJ152	1.5KΩ, ½Watt, ±5%, Carbon	2	
R39,71	ERD18VJ222	2.2KΩ, ½Watt, ±5%, Carbon	2	
R20,69,77	ERD18VJ332	3.3KΩ, ½Watt, ±5%, Carbon	3	
R28,33,66	ERD18VJ472	4.7KΩ, ½Watt, ±5%, Carbon	3	
R2,10,54	ERD18VJ682	6.8KΩ, ½Watt, ±5%, Carbon	3	
R25,29,36,44	ERD18VJ103	10KΩ, ½Watt, ±5%, Carbon	5	
55				
R27,32,65	ERD18VJ223	22KΩ, ½Watt, ±5%, Carbon	3	
R57,58	ERD18VJ473	47KΩ, ½Watt, ±5%, Carbon	2	
R34	ERD18VJ683	68KΩ, ½Watt, ±5%, Carbon	1	
R13,17,18,68,72,76	ERD18VJ104	100KΩ, ½Watt, ±5%, Carbon	6	
R48	ERD18VJ474	470KΩ, ½Watt, ±5%, Carbon	1	
R73	ERD18VJ271	270Ω, ½Watt, ±5%, Carbon	1	
R60	ERD18VJ684	680KΩ, ½Watt, ±5%, Carbon	1	
R78	ERD18VJ471	470Ω, ½Watt, ±5%, Carbon	1	
R6	ERD18TJ821	820Ω, ½Watt, ±5%, Carbon	1	
R43	ERD18TJ823	82KΩ, ½Watt, ±5%, Carbon	1	
R75	ERD18TJ101	100Ω, ½Watt, ±5%, Carbon	1	
R7,16	ERD18TJ102	1KΩ, ½Watt, ±5%, Carbon	2	
R84	ERD18TJ124	120KΩ, ½Watt, ±5%, Carbon	1	
R82	ERX12ANJR22U	0.22Ω, ½Watt, ±5%, Metal Oxided	1	
R74	ERD18TJ271	270Ω, ½Watt, ±5%, Carbon	1	
R83	ERD18TJ152	1.5KΩ, ½Watt, ±5%, Carbon	1	
R14	ERD18VJ153	15KΩ, ½Watt, ±5%, Carbon	1	
R15	ERD18TJ122	1.2KΩ, ½Watt, ±5%, Carbon	1	
R42	ERD18TJ104	100KΩ, ½Watt, ±5%, Carbon	1	
CAPACITORS				
C7	ECCD1H020C	2PF, 50WV, ±0.25PF, Ceramic	1	
C56	ECCD1H030C	3PF, 50WV, ±0.25PF, Ceramic	1	
C27	ECCD1H040C	4PF, 50WV, ±0.25PF, Ceramic	1	
C12	ECCD1H050CC	5PF, 50WV, ±0.25PF, Ceramic	1	
C16	ECCD1H070DC	7PF, 50WV, ±0.5PF, Ceramic	1	
C32,39,89,90	ECCD1H100KC	10PF, 50WV, ±10%, Ceramic	4	
C24,35	ECCD1H120KC	12PF, 50WV, ±10%, Ceramic	2	
C6,15	ECCD1H470KC	47PF, 50WV, ±10%, Ceramic	2	
C30	ECCD1H560K	56PF, 50WV, ±10%, Ceramic	1	
C88	ECCD1H181K	180PF, 50WV, ±10%, Ceramic	1	
C10	ECCD1H270KC	27PF, 50WV, ±10%, Ceramic	1	
C1,51	ECKD1H102PF	0.001μF, 50WV, ±100%, Ceramic	2	
C22,42,49,74	ECKE1H103PF	0.01μF, 50WV, ±100%, Ceramic	5	
C48,54,59	ECKE1H223PF	0.022μF, 50WV, ±100%, Ceramic	3	
C8,9,21,28,29,83,92,94	ECKE1H102MD	0.001μF, 50WV, ±20%, Ceramic	8	
C80	ECKE1H222MD	0.0022μF, 50WV, ±20%, Ceramic	1	
C76	ECKE1H332MD	0.0033μF, 50WV, ±20%, Ceramic	1	
C79	ECKE1H472MD	0.0047μF, 50WV, ±20%, Ceramic	1	
C11,31,36,37,38,41,44,45,53,55,64,65,91,93,97	ECKE1H103MD	0.01μF, 50WV, ±20%, Ceramic	15	
C60,78	ECKE1H223MD	0.022μF, 50WV, ±20%, Ceramic	2	
C81	ECQG05683MZ	0.068μF, 50WV, ±20%, Polyester	1	
C40	ECOS1301JZ	300PF, 125WV, ±5%, Styrol	1	
C85	ECOS1152KZ	1500PF, 125WV, ±10%, Styrol	1	
C82	ECEA10V1000	1000μF, 10WV, Electrolytic	1	
C47	ECEA6V220	220μF, 6.3WV, Electrolytic	1	
C50	ECEA6V100	100μF, 6.3WV, Electrolytic	1	
C75,77	ECEA6V47	47μF, 6.3WV, Electrolytic	2	
C52	ECEA16V10	10μF, 16WV, Electrolytic	1	
C57,58	ECEA25V4R7	4.7μF, 25WV, Electrolytic	2	
C66,67,72	ECEA50V1	1μF, 50WV, Electrolytic	3	
C63,70,71	ECEA50ZR1	0.1μF, 50WV, Electrolytic	3	
C95	ECEA6V470	470μF, 6.3WV, Electrolytic	1	
C3,87	ECCD1H050CC	5PF, 50WV, ±0.25PF, Ceramic	2	
C3	ECCD1H070DC	7PF, 50WV, ±0.5PF, Ceramic	1	
C87	ECCD1H030CC	3PF, 50WV, ±0.25PF, Ceramic	1	

Ref.No.	Part No.	Description	Per Set	Remarks	Ref.No.	Part No.	Description	Per Set	Remarks
CABINET					CHASSIS				
CA1	RYFF877M	Cabinet Front Cover Assembly	1	○	CH1	RYDF877M	Dial Drive Assembly	1	○
CA2	Not Available Order, RYFF877M	Cabinet Front Cover Only	(1)			Not Available Order, RYDF877M	Base	(1)	
CA3		Grille, Cabinet Front	(1)		CH2		Drum, Dial	1	○
		Panel, Dial	(1)		CH3	RDD4010Z	Shaft, Tuning	1	○
		Baffle, Speaker	(1)		CH4	RDT9069Z	Shaft, Pulley	5	
CA4	RXEF877M	Bracket Assembly, P.C. Board	1	○	CH5	RDY31A	Pulley, Dial	5	
	Not Available Order, RXEF877M	Bracket	(1)			RDR21-1	E Ring, Drum M'tg	1	
		Plate	(1)			XUC5	E Ring, Tuning Shaft M'tg	1	
CA5		Stopper (Plastic), Gyro Antenna	(1)		CH6	XUC5FY	Cord, Dial (500m)	1 Roll	
CA6	RKM354Z	Cabinet Body Only	1	○	CH7	RDZ05A	Spring, Dial Drum	1	
CA7	RKH74Z	Handle	1	○		RDS4060A	Dial Back Plate	1	○
CA8	RKT71A	Shaft, Handle M'tg	2	○		RDH88Z	Scale, Dial	1	○
CA9	RKE118Z	Case, Gyro Antenna	1	○	CH8	RKD272W	Pilot Lamp, Dial Light 6V 100mA	1	○
CA10	RKE117Z	Cover, Gyro Antenna Case	1	○	CH9	XAMR96T150	Rubber, Pilot Lamp	1	○
CA11	RUB88Z	Shaft (Plastic), Gyro Antenna Case	1	○	CH10	RHG211	Meter, Tuning & Battery	1	○
CA12	RDS5390A	Spring, Gyro Antenna Case	1	○	CH11	RSM2605B-W	Jack, Earphone & DC IN 6V	1	○
CA13	XUC8FW	E Ring, Gyro Antenna Case M'tg	2	○	CH12	RJJ85A-C	Heat Sink, Transistor (TR13,14)	1	○
CA14	RUB77A	Bracket, Gyro Antenna Lever	1	○	CH13	RMV75Z	Gear, Dial	1	○
CA15	RUB79A	Lever, Gyro Antenna	1	○		RDG8Z	Screw, Tuning Gang M'tg	2	
CA16	RDS9230A	Spring, Gyro Antenna Lever	1	○		XYN26+C5	Screw, Gear M'tg	1	
CA17	RHG685Z	Rubber, Gyro Antenna	2	○		XYN26+C6	Screw, Power Switch M'tg	1	
CA18	RHR649Z	Cushion, Gyro Antenna	1	○	CH14	XYN3+C8S	Screw, Dial Back Plate & Scale M'tg	1	○
CA19	RKE116A	Cover, Whip Antenna	1	○		XTN26+8BFZ	Washer, Dial Back Plate & Scale M'tg	1	○
CA20	RHG968A	Rubber, Whip Antenna	1	○	CH15	XWG23X6FZ	Screw, Dial Drive M'tg	3	
CA21	RMA110A	Bracket, Whip Antenna	1	○		XTN3+10B	Bracket, Dial	1	○
CA22	XTN3+12B	Screw, Whip Antenna Cover M'tg	1			RUL401Z	Screw, Dial Bracket M'tg	1	
	XWG3	Screw, Whip Antenna Cover M'tg	1		CH16	XTN3+8B	Screw, Dial Drive M'tg	1	
CA23	XTN3+10BFZ	Washer, Whip Antenna Cover M'tg	1			XTN3+12B			
CA24	XEART196FBY	Screw, Whip Antenna Cover M'tg	1		ACCESSORIES				
CA25	RJC206B	Terminal, Battery ⊕ Side	2		A1	XEAH1A1	Magnetic Earphone 8Ω	1	
CA26	RJC60I	Spring, Battery ⊖ Side	2		A2	UM-2DE-P	Battery 6V/DC	4	
CA27	RJT732-2	Spring Terminal, Dial Light	1	○	A3	RD-9488	AC Adaptor, 120V/AC	1	○
CA28	RJT518Z	Terminal, Dial Light	1		PACKING				
CA29	RGB164Z	Badge, P.S.B., FM, AM, Mark	1	○	P1	RPP167Z	Polyethylene Cover	1	○
CA30	RBC63Z	Button, Dial Light	1	○	P2	RPE188Z	Accessory Box	1	○
CA31	RBC66A	Button, Gyro Antenna Push	1	○		RPN9146Z	Pad (Complete)	1	○
CA32	RKF197Z	Cabinet Back Cover Only	1	○	P3	Not Available Order, RPN9146Z	Pad, Left Side	(1)	
CA33	RGT425Z	Name Plate (USA Only)	1	○	P4		Pad, Right Side	(1)	
CA33	RGT425Y	Name Plate (CANADA Only)	1	○	P5	RQX5720Z	Instruction Book	1	○
CA34	RGX615Z	Ornament	1		P5	RQX5745Z	Instruction Book, French (CANADA Only)	1	○
CA35	RKK79A	Battery Cover	1	○	P6	RPG1340Z	Packing Case	1	○
CA36	RBN239A	Knob, Tuning	1	○					
CA37	RBN240A	Knob, Tone & Volume	2	○					
CA38	RBN241A	Knob, Squelch	1	○					
CA39	RBS71AK	Knob, Band Selector	1	○					
CA40	RHR110-1	Spacer, Band Selector Knob	1	○					
CA41	XTB3+60BFN	Screw, Cabinet Cover M'tg	4						
CA42	XTN23+6B	Screw, Spring Terminal M'tg	1						
CA43	RHS17A	Tape, Battery	1	○					